

meteorological library was maintained, and the various text-books exhibited were frequently consulted by teachers and others.

Photographs.—A large number of beautiful photographs, showing cloud and fog studies, snow crystals, floods, etc., were attractively displayed.

A model storm-warning tower and four large storm-warning lanterns were among the additional equipment exhibited.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

H. H. KIMBALL, Librarian.

The following titles have been selected from among the books recently received, as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Most of them can be loaned for a limited time to officials and employees who make application for them.

Aachen. Meteorologisches Observatorium.

Das neuerrichtete meteorologische Observatorium zu Aachen. Karlsruhe. 1901. 21 p. f°.

Hobbs, William Herbert.

Earthquakes, an introduction to seismic geology. New York. 1907. xxx, 336 p. 12°.

Kühl, Wilhelm.

Der jährliche Gang der Bodentemperatur in verschiedenen Klimaten... Inaug.-Diss... Berlin. [Würzburg. 1907. 66 p. 8°.]

Mathesius, —.

Die Kaiser'schen Wolkenhöhen-Messungen der Jahre 1896 und 1897. Danzig. 1907. p. 49-137. 4°. (S.-A. Schriften. Danzig. N. F. 12 Bd. 1. Heft. Danzig. 1907.)

Platania, Giovanni.

I fenomeni in mare durante il terremoto di Calabria del 1905. Modena. 1907. 41 p. 8°.

Prussia. Königliche preussische aeronautische Observatorium. Lindenbergs.

Ergebnisse der Arbeiten... 1906. 2. Band. Braunschweig. 1907. xiv, 176 p. f°.

Raulin, V.

Observations pluviométriques faites dans la France méridionale (sud-ouest, centre et sud-est) de 1704 à 1870... Paris. 1876. ix, 1044 p. 8°.

Observations pluviométriques faites dans la France septentrionale (est, Neustrie et Bretagne) de 1688 à 1870... Paris. 1881. xv, 810 p. 8°.

Thomson, J. J.

The corpuscular theory of matter. London. 1907. vi, 172 p. 8°.

RECENT PAPERS BEARING ON METEOROLOGY.

H. H. KIMBALL, Librarian.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology or cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled; it shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a —

American aeronaut and aerostatist. St. Louis. v. 1.

Steichmann, H. Hildebrandt's Icelandic observations. (Oct., 1907.) p. 23-24.

Rotch, A. Lawrence. Use of registration balloons in obtaining meteorological conditions at great heights. (Nov.-Dec., 1907.) p. 17-18.

American geographical society. Bulletin. New York. v. 39. Dec., 1907.

Ward, R. DeC. Jamaica negroes and climate. [Note.] p. 744.

Ward, R. DeC. Weather and railroads. p. 717-748.

Electrical world. New York. v. 50. Dec. 21, 1907.

Carpenter, D. S. The rolling of thunder. p. 1211-1213.

Geographical teacher. London. v. 4. 1907.

Shaw, W[illiam] N[apier]. The general circulation of the atmosphere. [Popular presentation of the subject in the light of recent theories.] p. 52-64.

Great Britain. Meteorological office. Monthly meteorological charts. Indian ocean. Jan., 1908.

— Results of meteorological observations in the Persian Gulf and the Gulf of Oman. 1 p.

London, Edinburgh, and Dublin philosophical magazine. London. 6 series. v. 14. Dec., 1907.

Eve, A. S. On the amount of radium emanation in the atmosphere near the earth's surface. p. 724-733.

Poynting, J. H. On Professor Lowell's method for evaluating the surface temperatures of the planets, with an attempt to represent the effect of day and night on the temperature of the earth. p. 749-760.

Manchester geographical society. Journal. London. v. 23. Pt. 2. 1907.

Swallow, R. W. A glimpse at western China; the province of Shansi. [Including brief account of the climate, p. 57.] p. 49-59.

Science. New York. New series. v. 27. Jan. 10, 1908.

McNair, F. W. Report of the general secretary of the American association for the advancement of science for the Chicago meeting, convocation week, 1907-8. [Includes reports of the committee on seismology.] p. 41-49.

Reid, Harry Fielding. The meeting of the International seismological association. p. 74-76. [Includes reports of the committee on seismology.]

Scientific American supplement. New York. v. 65. Jan. 11, 1908.

Arrhenius, Svante. Auroras and magnetic storms. Caused by solar dust in the earth's atmosphere. p. 31.

Scottish geographical magazine. Edinburgh. v. 23. Dec., 1907.

Newbigen, Marion I. The study of the weather as a branch of nature knowledge. p. 627-648.

Scottish meteorological society. Journal. Edinburgh. v. 14. 3 ser. no. 24.

Mitchell, Arthur, and others. Memorial notices of Alexander Buchan. p. 101-118. [Includes portrait and list of writings.]

Bell, Herbert. Thunderstorms at the Ben Nevis observatories and on the Scottish coasts. p. 119-133.

Lempfert, R. G. K. The daily weather report. p. 134-140. [Description of British and foreign daily weather maps.]

Richardson, Ralph. Rain-producing east winds and their influence on the summer of 1907. p. 141-143.

Symons's meteorological magazine. London. v. 42. Dec., 1907.

Ellis, William. Greenwich air temperature. p. 209-214.

Atrophile. Paris. 15 année. Déc., 1907.

Aubry, Roger. L'aurore des aéronautes. p. 338. [Describes aurore observed around the shadow of a balloon on a cloud.]

Ciel et terre. Bruxelles. 28 année. 1 déc. 1907.

Vincent, J. Le grain du 3 août 1905. p. 445-450.

— Dispersion du brouillard et des fumées par l'électricité. p. 489-491.

Vincent, J. Le ballon-sonde belge du 25 juillet 1907. p. 495-500. [Account of the highest ascent ever made with sounding-balloon.]

Remarks on temperature inversion.]

France. Académie des sciences. Comptes rendus. Paris. Tome 145.

Demouyssy, E. Influence de l'état hygrométrique de l'air sur la conservation des graines. p. 1194-1196. (Dec. 9, 1907.)

Nodon, Albert. Recherches sur les variations du potentiel terrestre. p. 1370-1371. (Dec. 23, 1907.) [Variations in earth potential as prognostics of atmospheric and seismic disturbances.]

Journal de physique. Paris. 4 série. Tome 6. Déc. 1907.

Schuster, Arthur. Sur quelques phénomènes électriques de l'atmosphère et leurs relations avec l'activité solaire. p. 937-950.

Mogimont. *Publications populaires de la Station météorologique Mons.* no. 5.

Bracke, A. La prévision locale du temps. Le polymètre Lambricht. p. 123-132.

Le Paige, L. A propos de l'incendie d'Anvers. p. 135-137.

Nature. Paris. 36 année. 4 jan. 1908.

— Janssen. p. 78-79.

Société belge d'astronomie. *Bruxelles.* 12 année. Nov., 1907.

Arctowski, Henryk. Variations de longue durée de divers phénomènes atmosphériques. p. 328-340.

Agamennone, G. Théorie des tremblements de terre. p. 340-345.

Lagrange, E. La propagation des ondes sismiques longues. p. 347-348.

D., A. La méthode du "vent normal" dans la prévision du temps. p. 366-367.

Société météorologique de France. *Annuaire. Paris.* Oct., 1907.

Brunhes, B. Sur l'enregistrement des courants telluriques au Puy-de Dome et la perturbation magnétique du 9 au 10 février 1907. p. 181-182.

Marchand, E. Observations du courant tellurique sur la ligne télégraphique de l'Observatoire du Pic du Midi. p. 183-186.

Moureaux, Th. Nouvelles déterminations magnétiques dans la région du bassin de Paris. p. 188-195.

Société ouralienne d'amateurs des sciences naturelles. *Bulletin. Ekaterinburg.* Tome 26. 1907.

Abels, H[ermann Fedorovic]. Précipitations atmosphériques dans le gouvernement de Perm pendant l'année 1903, 1904, 1905. p. 51-62.

Königliche preussische Akademie der Wissenschaften. *Sitzungsberichte. Berlin.* 1907. 50.

Zimmermann, H. Ueber grosse Schwingungen im widerstehenden